INDEX

ACKERMAN, C. J. See Windmueller, H. G., 527.
ADACHI, R. See Sheffner, A. L., 507.
ADAMS, C. M. See Darby, W. J., (Sup. 2) 19.
Alcaptonuria, experimental, in the rat, relation between the nature of dietary protein and the production of, 437.
ALLISON, J. B., R. W. WANNEMACHER, JR., L. PROSKY AND M. L. CROSSLEY. Nutritive value of protein and tumor-host relationship in the rat, 297.
AMERICAN INSTITUTE OF NUTRITION
Editor of Journal of Nutrition, report of. 1956, 147.
Election of officers for 1956–57, 146.
New members elected, 1956, 150.
Proceedings, 20th Annual Meeting, 145.
Amino acid(s) diet, development of for maintenance of egg production. The amino acid requirement of the laying hen. I., 261.
—— essential, required for egg production, classification of. The amino acid requirement of the laying hen. II., 275.
—— index (pepsin-digest-residue, PDR) of net protein utilization, 105.
—— —— —— —— —— —— —— —— utilization of heat-processed proteins, 507.
—— rations, development of fatty livers during lactation of rats fed, 25.
—— —— reproduction of rats fed protein-free, 35.
—— requirement of the laying hen. I. The development of a free amino acid diet for maintenance of egg production, 261; II. Classification of the essential amino acids required for egg production, 275.
—— sulfur, resistance of mouse tissue sulfhydryl to alterations by changes in dietary intake of, 197.
Ascorbic acid utilization by women. Response of blood serum and white cells to increasing levels of intake in two groups of women of different age levels, 229.
—— (Vitamins A and D and). Nutritional intake of children. IV., 335.
A study of the dietary background and nutriture of the Navajo Indian, (Sup. 2) 3.

BATT, W. G. See Ross, M. H., 137.

BAUMANN, C. A. See Jones, E. M., 549; Naber, E. C., 75.
BEAL, V. A. Nutritional intake of children. IV. Vitamins A and D and ascorbic acid, 335.
BEATON, G. H., A. M. HAUFSCHILD AND E. W. MCHENRY. Prevention of inanition in vitamin B_6-deprived rats by insulin treatment, 455.
BECK, L. V., AND A. M. BIANCONI, WITH THE TECHNICAL ASSISTANCE OF S. H. HEIL. Resistance of mouse tissue sulfhydryl to alterations by changes in dietary intake of sulfur amino acids, 197.
DE BEER, E. J. See Light, A. E., 157.
BENTLEY, K. D. See Haldi, J., 427.
BIANCONI, A. M. See Beck, L. V., 197.
BIRD, H. R. See Naber, E. C., 75.
Blood fibrin, urea, gelatin, casein and soybean protein, nitrogen utilization by lambs fed purified rations containing, 413.
— serum and white cells, response of to increasing levels of ascorbic acid intake in two groups of women of different age levels, 229.
Body composition and food utilization of rats, influence of food and energy restriction and subsequent recovery on, 121.
Borden award in nutrition, 1957 announcement, 156, 309, 464, 631; 1956 presentation, 152.
BREWER, W. D. See Hawthorne, B. E., 391.
BRIDGFORTH, E. B. See Darby, W. J., (Sup. 2) 3, 75; Stockell, A. K., (Sup. 2) 63.
BROWN, R. R. See Price, J. M., 323.

CALCIUM retention by the growing male albino rat, a study of the effect of chlortetracycline (aureomycin) upon, 97.
Caloric requirements for protein utilization and determination of protein minima. Inherited metabolic patterns in mice, 465.
—— water intake and organ weights of rats during restricted food intake, influence of diet composition on, 221.
Carbohydrate, effect of upon rancidity in experimental rations, 361.
Caries, dental, in relation to pH on tooth surfaces. I. pH and lactate concentration in relation to the extent of the lesions in rats' teeth, 427.
Carotene, conversion to vitamin A in the rat, effect of thyroid on, 447.
CARROLL, M. E. See Wertman, K., 473.
Casein, alterations in the nutritive value of by exposure to ethylene oxide, 527.
— urea, gelatin, blood fibrin and soybean protein, nitrogen utilization by lambs fed purified rations containing, 413.
Cataract in rats, produced by 1, 4-dimethanesulfonoxybutane, effect of dietary supplements in prevening or augmenting, 157.
Cellulose digestion by rumen microorganisms *in vitro*, some factors affecting, 245.
Cereal and milk diet, effect of added lysine on growth of rats fed, 129.
Chick(s), exudative diathesis in, an electrophoretic study of, 349.
— glycine toxicity in, relation of dietary supplements and tissue metabolites to, 75.
— requirement of for unidentified minerals, further evidence on, 283.
— utilization of D-tryptophan by, 47.
Chickens, muscular degeneration in, fed diets low in vitamin E and sulfur, 87.
Children, nutritional intake of. IV. Vitamins A and D and ascorbic acid, 335.

Chlortetracycline (aureomycin), effect of upon calcium retention by the growing male albino rat, 97.
Cholesterol, serum, levels of young and of elderly women consuming an institution diet, 517.
—— and tissue, food intake and estrogenic effects on, 65.
COMMON, R. H. See Crampton, E. W., 13.
CRAMPTON, E. W., R. H. COMMON, E. T. PRITCHARD AND F. A. FARMER. Studies to determine the nature of the damage to the nutritive value of some vegetable oils from heat treatment. IV. Ethyl esters of heat-polymerized linseed, soybean and sunflower seed oils, 13.
CRAVENS, W. W. See Naber, E. C., 75.
CROSSLEY, M. L. See Allison, J. B., 297.
CUTLER, J. L. See Horwitt, M. K., (Sup. 1) 3.

DALTON, E. See Darby, W. J., (Sup. 2) 19.
DAM, R. See Morrison, A. B., 283.
DARBY, W. J., C. G. SALSBURY, W. J. MCGANITY, H. F. JOHNSON, E. B. BRIDGFORTH AND H. R. SANDSTEAD. A study of the dietary background and nutriture of the Navajo Indian. I. Background and food production, (Sup. 2) 3.
DARBY, W. J., C. M. ADAMS, M. POLLARD, E. DALTON AND P. MCKINLEY. A study of the dietary background and nutriture of the Navajo Indian. II. Dietary pattern, (Sup. 2) 19.
DARBY, W. J. See Sandstead, H. R., (Sup. 2) 35; Stockell, A. K., (Sup. 2) 63.
DARBY, W. J., W. J. MCGANITY AND E. B. BRIDGFORTH. A study of the dietary background and nutriture of the Navajo Indian. V. Interpretation, (Sup. 2) 75.
Dental caries (see Caries, dental).
Diathesis, exudative in chicks, an electrophoretic study of, 349.
Diet(s), alkaline phosphatase activity and, 137.
— cereal and milk, effect of added lyine on growth of rats fed, 129.
— composition, influence of on caloric requirements, water intake and organ weights of rats during restricted food intake, 221.
— containing high levels of partial ester emulsifiers, nutritional studies on rats. I. General plan and procedure; growth and food utilization, 367; II. Reproduction and lactation, 489.
— institution, serum cholesterol levels of young and of elderly women consuming, 517.
— low in vitamin E and sulfur, muscular degeneration in chickens fed, 87.
— purified, fed rats, effects of rubidium in, 563.
Dietary background and nutriture of the Navajo Indian, a study of the, (Sup. 2) 3.
— supplements, effect of in preventing or augmenting the production of cataract in rats by 1, 4-dimethanesulfonoxybutane, 157.
—— and tissue metabolites, relation to glycine toxicity in the chick, 75.
DISQUE, D. T. See Wertman, K., 473.

ECKFELDT, G. A. See Sheffner, A. L., 105.
EFNER, J. A. See Stockell, A. K., (Sup. 2) 63.
Egg production, the development of a free amino acid diet for maintenance of. The amino acid requirement of the laying hen. I., 261.
—— classification of the essential amino acids required for. The amino acid requirement of the laying hen. II., 275.
ELLIS, M. E. See Price, J. M., 323.
ELLIS, W. C., G. B. GARNER, M. E. MUHRER AND W. H. PFANDER. Nitrogen utilization by lambs fed purified rations containing urea, gelatin, casein, blood fibrin and soybean protein, 413.
Emulsifiers, partial ester, nutritional studies on rats on diets containing high levels of. I. General plan and procedures; growth and food utilization, 367; II. Reproduction and lactation, 489.
ENGEL, R. W. See Miller, R. F., 539; Windmueller, H. G., 527.
Ethylene oxide, alterations in the nutritive value of casein by exposure to, 527.
Excretion, riboflavin, variation in, 581.
— urinary, of tryptophan metabolites by humans ingesting a constant diet, quantitative studies on, 323.

FARMER, F. A. See Crampton, E. W., 13.
FENTON, P. F., AND J. M. MARSH. Inherited metabolic patterns in mice. Caloric requirements for protein utilization and determination of protein minima, 465.
FISHER, H. See Johnson, D., Jr., 275.
FISHER, H., AND D. JOHNSON, JR. The amino acid requirement of the laying hen. I. The development of a free amino acid diet for maintenance of egg production, 261.
Folic acid (Vitamin B_{12} and) deficiencies. The effects of vitamin deficiency on some physiological factors of importance to infection, 473.
Food and energy restriction and subsequent recovery, influence on body composition and food utilization of rats, 121.
— intake and estrogenic hormone effects on serum and tissue cholesterol, 65.
—— restricted, influence of diet composition on caloric requirements, water intake and organ weights of rats during, 221.
— utilization (Growth and). Nutritional studies on rats on diets containing high levels of partial ester emulsifiers. I., 367.
—— of rats, influence of food and energy restriction and subsequent recovery on body composition and, 121.
Fat(s), autoxidized, nutritional properties of the molecularly distilled fractions of, 237.

GARNER, G. B. See Ellis, W. C., 413.
Gelatin, urea, casein, blood fibrin and soybean protein, nitrogen utilization by lambs fed purified rations containing, 413.
GERSHOFF, S. N. See Hegsted, D. M., 581.
GLENDENING, B. L., W. G. SCHRENK AND D. B. PARRISH. Effects of rubidium in purified diets fed rats, 563.
Glycine toxicity in the chick, relation of dietary supplements and tissue metabolites to, 75.
GOLDSTEIN, J., AND M. L. SCOTT. An electrophoretic study of exudative diathesis in chicks, 349.
Growth and food utilization. Nutritional studies on rats on diets containing high levels of partial ester emulsifiers, I., 367.

— of rats fed a cereal and milk diet, effect of added lysine on, 129.
GUILMAIN, J. See Kaunitz, H., 221, 237.
GUPTA, O. P. See Shaw, J. H., 311.

HAFFRON, D. See Horwitt, M. K., (Sup. 1) 3.
HALDI, J., W. WYNN, M. L. LAW, K. D. BENTLEY AND D. A. RAMSEY. Dental caries in relation to pH on tooth surfaces. I. pH and lactate concentration in relation to the extent of the lesions in rats' teeth, 427.
HALLANGER, L. E., AND M. O. SCHULTZE. Development of fatty livers during lactation of rats fed amino acid rations, 25.
HAMILTON, T. S. See Morrison, W. D., 47.
HARTSOOK, E. W. A study of the effect of chlortetracycline (aureomycin) upon calcium retention by the growing male albino rat, 97.
HARTSOOK, E. W., AND H. H. MITCHELL. The effect of age on the protein and methionine requirements of the rat, 173.
HARVEY, C. C. See Horwitt, M. K., (Sup. 1) 3.
HAUFSCHILD, A. M. See Beaton, G. H., 455.
HAWTHORNE, B. E., W. D. BREWER AND M. A. OHLSON. Metabolic patterns of a group of overweight, underweight and average weight women, 391.
HEGSTED, D. M. See Thomson, P., 361.
HEGSTED, D. M., S. N. GERSHOFF, M. F. TRULSON AND D. H. JOLLY. Variation in riboflavin excretion, 581.
HEIL, S. H. See Beck, L. V., 197.
Hens, laying, amino acid requirement of. I. The development of a free amino acid diet for maintenance of egg production, 261; II. Classification of the essential amino acids required for egg production, 275.
Histidine requirement of baby pigs, 619.
Hormone, estrogenic (Food intake and), effects on serum and tissue cholesterol, 65.
HORVATH, D. J. See Rechcigl, M., Jr., 619.
HORWITT, M. K., C. C. HARVEY, W. S. ROTHWELL, J. L. CUTLER AND D. HAFFRON. Tryptophan-niacin relationships in man, (Sup. 1) 3.
HOUK, N. See Stockell, A. K., (Sup. 2) 63.
Humans ingesting a constant diet, quantitative studies on the urinary excretion of tryptophan metabolites by, 323.

INANITION, prevention of in vitamin B_6-deprived rats by insulin treatment, 455.
Indian, a study of the dietary background and nutriture of the Navajo, (Sup. 2) 3.
Infection, effects of vitamin deficiency on some physiological factors of importance in resistance to. III. Vitamin B_{12} and folic acid deficiencies, 473.
Insulin treatment, prevention of inanition in vitamin B_6-deprived rats by, 455.

JOHNSON, D., JR. See Fisher, H., 261.
JOHNSON, D., JR., AND H. FISHER. The amino acid requirement of the laying hen. II. Classification of the essential amino acids required for egg production, 275.
JOHNSON, H. F. See Darby, W. J., Sup. 2) 3.
JOHNSON, R. E. See Kaunitz, H., 221, 237.
JOLLY, D. H. See Hegsted, D. M., 581.
JONES, E. M., C. A. BAUMANN AND M. S. REYNOLDS. Nitrogen balances of women maintained on various levels of lysine, 549.

KAUNITZ, H., C. A. SLANETZ, R. E. JOHNSON AND J. GUILMAIN. Influence of diet composition on caloric requirements, water intake and organ weights of rats during restricted food intake, 221.
KAUNITZ, H., C. A. SLANETZ, R. E. JOHNSON, J. GUILMAIN, H. B. KNIGHT, D. H. SAUNDERS AND D. SWERN. Nutritional properties of the molecularly distilled fractions of autoxidized fats, 237.
KNIGHT, H. B. See Kaunitz, H., 237.
KOHE, G. W. See Wertman, K., 473.

LACTATE concentration (and pH) in relation to the extent of the lesions in rats' teeth. Dental caries in relation to pH on tooth surfaces. I., 427.
Lactation of rats fed amino acid rations, development of fatty livers during, 25.
— (Reproduction and). Nutritional studies on rats on diets containing high levels of partial ester emulsifiers, II., 489.
Lambs fed purified rations containing urea, gelatin, casein, blood fibrin and soybean protein, utilization of nitrogen by, 413.
Lesions in rats' teeth, pH and lactate concentrations in relation to the extent of. Dental caries in relation to pH on tooth surfaces, 427.
— smooth-surface, in the white rat, relation of a chelating agent to, 311.
LEWIS, H. B. See Wu, H. C., 437.
LIGHT, A. E., C. SOLOMON AND E. J. DE BEER. Effects of dietary supplements in preventing or augmenting the production of cataract in rats by 1, 4-dimethanesulfonoxybutane, 157.
Linseed, soybean and sunflower seed oils, ethyl esters of heat-polymerized. Studies to determine the nature of the damage to the nutritive value of some vegetable oils from heat treatment. IV., 13.
Livers, fatty, development of during lactation of rats fed amino acid rations, 25.
LOOSLI, J. K. See Rechcigl, M., Jr., 619.
LUECKE, C. E. See Meyer, J. H., 121.
LYMAN, M. M. See Okey, R., 65.
LYNN, R. J. See Wertman, K., 473.
Lysine, effect of added on growth of rats fed a cereal and milk diet, 129.
— nitrogen balances of women maintained on various levels of, 549.
L-Lysine supplementation of 12, 14 and 16% protein corn-soybean oil meal diets, effect upon nitrogen balance of growing swine, 609.

MACHLIN, L. J., AND W. T. SHALKOP. Muscular degeneraton in chickens fed diets low in vitamin E and sulfur, 87.
MACLEOD, R. A., AND J. F. MURRAY. Some factors affecting cellulose digestion by rumen microorganisms *in vitro*, 245.
Man, tryptophan-niacin relationships in, (Sup. 1) 3.
MARSH, J. M. See Fenton, P. F., 465.
MCGANITY, W. J. See Darby, W. J., (Sup. 2) 3, 75; Sandstead, H. R., (Sup. 2) 35; Stockell, A. K., (Sup. 2) 63.
MCHENRY, E. W. See Beaton, G. H., 455.
MCKINLEY, P. See Darby, W. J., (Sup. 2) 19; Sandstead, H. R., (Sup. 2) 35.
MEADE, R. J. The influence of methionine supplementation of 12, 14 and 16% protein corn-soybean oil meal diets upon nitrogen balance of growing swine, 599.

MEADE, R. J., AND W. S. TETER. The influence of L-lysine supplementation of 12, 14 and 16% protein corn-soybean oil meal diets upon nitrogen balance of growing swine, 609.
MENDEL, LAFAYETTE BENEDICT (February 12, 1872 – December 9, 1935), 3.
Methionine (protein and) requirements of the rat, effect of age on, 173.
— supplementation of 12, 14 and 16% protein corn-soybean oil meal diets, upon nitrogen balance of growing swine, the influence of methionine, 599.
MEYER, J. H., C. E. LUEKER AND J. D. SMITH. Influence of food and energy restriction and subsequent recovery on body composition and food utilization of rats, 121.
Mice, inherited metabolic patterns in. Caloric requirements for protein utilization and determination of protein minima, 465.
Microorganisms, rumen, cellulose digestion by, *in vitro*, some factors affecting, 245.
Milk (and cereal) diet, effect of added lysine on growth of rats fed, 129.
MILLER, R. F., N. O. PRICE AND R. W. ENGEL. Added dietary inorganic sulfate and its effect upon rats fed molybdenum, 539.
Minerals, unidentified, further evidence on the requirement of the chick for, 283.
MITCHELL, H. H. See Hartsook, E. W., 173.
Molybdenum, added dietary inorganic sulfate and its effect upon rats fed, 539.
MORRISON, A. B., R. DAM, L. C. NORRIS AND M. L. SCOTT. Further evidence on the requirement of the chick for unidentified minerals, 283.
MORRISON, W. D., T. S. HAMILTON AND H. M. SCOTT. Utilization of DL-tryptophan by the chick, 47.
MORSE, E. H. See Walker, G. R., 517.
MORSE, E. H., M. POTGIETER AND G. R. WALKER. Ascorbic acid utilization by women. Response of blood serum and white cells to increased levels of intake in two groups of women of different age levels, 229.
Mouse tissue sulfhydryl, resistance of to alterations by changes in dietary intake of sulfur amino acids, 197.
MUHRER, M. E. See Ellis, W. C., 413.
MURRAY, J. F. See MacLeod, R. A., 245.
Muscular degeneration in chickens fed diets low in vitamin E and sulfur, 87.

NABER, E. C., W. W. CRAVENS, C. A. BAUMANN AND H. R. BIRD. The relation of dietary supplements and tissue metabolites to glycine toxicity in the chick, 75.
Navajo Indian, a study of the dietary background and nutriture of the, (Sup. 2) 3.
Nitrogen balance of growing swine, influence of L-lysine supplementation of 12, 14 and 16% protein corn-soybean oil meal diets upon, 609.
—————— influence of methionine supplementation of 12, 14 and 16% protein corn-soybean oil meal diets upon, 599.
— balances of women maintained on various levels of lysine, 549.
— nonprotein (and serum protein) in the rat during pregnancy, relationship of vitamin B_6 to, 211.
— utilization by lambs fed purified rations containing urea, gelatin, casein, blood fibrin and soybean protein, 413.
NORRIS, L. C. See Morrison, A. B., 283.
Nutritional intake of children. IV. Vitamins A and D and ascorbic acid, 335.
— studies on rats on diets containing high levels of partial ester emulsifiers. I. General plan and procedures; growth and food utilization, 367; II. Reproduction and lactation, 489.
Nutritive value of casein, alterations in by exposure to ethylene oxide, 527.
—— of some vegetable oils, studies to determine the nature of the damage from heat treatment. IV. Ethyl esters of heat-polymerized linseed, soybean and sunflower seed oils, 13.
Nutriture of the Navajo Indian, a study of the dietary background and, (Sup. 2) 3.

OHLSON, M. A. See Hawthorne, B. E., 391.
OKEY, R., AND M. M. LYMAN. Food intake and estrogenic hormone effects on serum and tissue cholesterol, 65.
Osborne and Mendel award in nutrition, 1957 announcement, 155, 310, 463, 632; 1956 presentation, 152.
OSER, B. L., AND M. OSER. Nutritional studies on rats on diets containing high levels of partial ester emulsifiers. I. General plan and procedures; growth and food utilization, 367; II. Reproduction and lactation, 489.
OSER, M. See Oser, B. L., 367, 489.

PARRISH, D. B. See Glendening, B. L., 563.
Pepsin-digest-residue (PDR) amino acid index of net protein utilization, 105.
—————— utilization of heat-processed proteins, ††.
PFANDER, W. H. See Ellis, W. C., 413.
Phosphatase (alkaline) activity and diet, 137.
Pigs, baby, histidine requirement of, 619.
PIKE, R. L. See Ross, M. L., 211.
POLLARD, M. See Darby, W. J., (Sup. 2) 19.
POTGIETER, M. See Morse, E. H., 229; Walker, G. R., 517.
PRICE, J. M., R. R. BROWN AND M. E. ELLIS. Quantitative studies on the urinary excretion of tryptophan metabolites by humans ingesting a constant diet, 323.
PRICE, N. O. See Miller, R. F., 539.
PRITCHARD, E. T. See Crampton, E. W., 13.
PROSKY, L. See Allison, J. B., 297.
Protein-free amino acid rations, reproduction of rats fed, 35.
Protein(s), heat-processed, measurement of the net utilization of by means of the pepsin-digest-residue (PDR) amino acid index, 507.
— and methionine requirements of the rat, effect of age on, 173.
— minima, caloric requirements for protein utilization and determination of. Inherited metabolic patterns in mice, 465.
— nature of dietary and the production of experimental alcaptonuria in the rat, 437.
— nutritive value of and tumor-host relationship in the rat, 297.
— serum and nonprotein nitrogen in the rat during pregnancy, relation of vitamin B_6 to, 211.
— utilization, caloric requirements for and determination of protein minima. Inherited metabolic patterns in mice, 465.
—— net, the pepsin-digest-residue (PDR) amino acid index of, 105.

RAMSEY, D. A. See Haldi, J., 427.
Rat(s), caloric requirements, water intake and organ weights of during restricted food intake, influence of diet composition on, 221.
— cataract in, produced by 1,4-dimethanesulfonoxybutane, effects of dietary supplements in preventing or augmenting, 157.
— conversion of intravenously administered aqueous dispersions of carotene to vitamin A in, 447.
— effects of rubidium in purified diets, fed, 563.
— experimental alcaptonuria in, relation between the nature of dietary protein and, 437.
— fed amino acid rations, development of fatty livers during lactation of, 25.
— — molybdenum, added dietary inorganic sulfate and its effect upon, 539.
— growing male albino, study of the effect of chlortetracycline (aureomycin) upon calcium retention by, 97.
— influence of food and energy restriction and subsequent recovery on body composition and food utilization of, 121.
— nutritional studies on diets containing high levels of partial ester emulsifiers. I. General plan and procedures; growth and food utilization, 367; II. Reproduction and lactation, 489.
— protein and methionine requirements of, effect of age on, 173.
— relationship of vitamin B_6 to serum protein and nonprotein nitrogen during pregnancy, 211.
— reproduction of, fed protein-free amino acid ratios, 35.
— tumor-host relationship in, nutritive value of protein and, 297.
— vitamin B_6-deprived, prevention of inanition in by insulin treatment, 455.
— white, relation of a chelating agent to smooth-surface lesions in, 311.
Rations, experimental, effect of carbohydrate upon rancidity in, 361.
RECHCIGL, M., JR., J. K. LOSSLI, D. J. HORVATH AND H. H. WILLIAMS. Histidine requirement of baby pigs, 619.
Reproduction and lactation. Nutritional studies on rats on diets containing high levels of partial ester emulsifiers, II., 489.
— of rats fed protein-free amino acid rations, 35.
REYNOLDS, M. S. See Jones, E. M., 549.
Riboflavin excretion, variation in, 581.
ROSS, M. H., AND W. G. BATT. Alkaline phosphatase activity and diet, 137.
ROSS, M. L., AND R. L. PIKE. The relationship of vitamin B_6 to serum protein and nonprotein nitrogen in the rat during pregnancy, 211.
ROTHWELL, W. S. See Horwitt, M. K., (Sup. 1) 3.
Rubidium, effects of in purified diets fed rats, 563.
Rumen microorganisms, cellulose digestion by, *in vitro*, some factors affecting, 245.

SALSBURY, C. G. See Darby, W. J., (Sup. 2) 3.
SANDSTEAD, H. R. See Darby, W. J., (Sup. 2) 3; Stockell, A. K., (Sup. 2) 63.
SANDSTEAD, H. R., W. J. MCGANITY, H. H. SMITH, P. MCKINLEY, LAV. TIMECHE AND W. J. DARBY. A study of the dietary background and nutriture of the Navajo Indian. III. Physical findings, (Sup. 2) 35.
SANDSTEAD, H. H. See Stockell, A. K., (Sup. 2) 63.
SARETT, H. P. Effect of added lysine on growth of rats fed a cereal and milk diet, 129.
SAUNDERS, D. H. See Kaunitz, H., 237.
SCHRENK, W. G. See Glendening, B. L., 563.
SCHULTZE, M. O. Reproduction of rats fed protein-free amino acid rations, 35.
— — — See Hallanger, L. E., 25.
SCOTT, H. M. See Morrison, W. D., 47.
SCOTT, M. L. See Goldstein, J., 349; Morrison, A. B., 283.
Serum cholesterol levels of young and of elderly women consuming an institution diet, 517.
SHALKOP, W. T. See Machlin, L. J., 87.
SHAW, J. H., AND O. P. GUPTA. The relation of a chelating agent to smooth-surface lesions in the white rat, 311.
SHEFFNER, A. L., R. ADACHI AND H. SPECTOR. Measurement of the net utilization of heat-processed proteins by means of the pepsin-digest-residue (PDR) amino acid index, 507.
SHEFFNER, A. L., G. A. ECKFELDT AND H. SPECTOR. The pepsin-digest-residue (PDR) amino acid index of net protein utilization, 105.
SLANETZ, C. A. See Kaunitz, H., 221, 237.
SMITH, A. H. Lafayette Benedict Mendel (February 12, 1872 – December 9, 1935), 3.
SMITH, H. H. See Sandstead, H. R., (Sup. 2) 35.
SMITH, J. D. See Meyer, J. H., 121.
SOLOMON, C. See Light, A. E., 157.
Soybean (linseed) and sunflower seed oils, ethyl esters of heat-polymerized. Studies to determine the nature of the damage to the nutritive value of some vegetable oils from heat treatment. IV., 13.
— protein, urea, gelatin, casein, blood fibrin, nitrogen utilization by lambs fed purified rations containing, 413.
SPECTOR, H. See Sheffner, A. L., 105, 507.
STOCKELL, A. K., H. R. SANDSTEAD, H. H. SANDSTEAD, J. A. EFNER, W. J. MCGANITY, E. B. BRIDGFORTH, N. HOUK, L. TRACY AND W. J. DARBY. A study of the dietary background and nutriture of the Navajo Indian. IV. Biochemical findings, (Sup. 2) 63.
Sulfhydryl, mouse tissue, resistance of to alterations by changes in dietary intake of sulfur amino acids, 197.
Sulfur amino acids, resistance of mouse tissue sulfhydryl to alterations by changes in dietary intake of, 197.
— (and vitamin E), muscular degeneration in chickens fed diets low in, 87.
Sunflower (linseed, soybean) seed oils, ethyl esters of heat-polymerized. Studies to determine the nature of the damage to the nutritive value of some vegetable oils from heat treatment. IV., 13.
SWEEN, D. See Kaunitz, H., 237.
Swine, growing, influence of L-lysine supplementation of 12, 14 and 16% protein corn-soybean oil meal diets upon nitrogen balance of, 609.
— — — — methionine supplementation of 12, 14 and 16% protein corn-soybean oil meal diets upon nitrogen balance of, 599.

TEETH, pH and lactate concentration in relation to the extent of the lesions in rats'. Dental caries in relation to pH on tooth surfaces, 427.
TETER, W. S. See Meade, R. J., 609.

THOMSON, P., AND D. M. HEGSTED. Effect of carbohydrate upon rancidity in experimental rations, 361.
Thyroid, effect of on the conversion of intravenously administered aqueous dispersions of carotene to vitamin A in the rat, 447.
TIMECHE, LAV. See Sandstead, H. R., (Sup. 2) 35.
Toxicity, glycine, in the chick, relation of dietary supplements and tissue metabolites to, 75.
TRACY, L. See Stockell, A. K., (Sup. 2) 63.
TRULSON, M. F. See Hegsted, D. M., 581.
Tryptophan metabolites, quantitative studies on the urinary excretion of by humans ingesting a constant diet, 323.
Tryptophan-niacin relationships in man, (Sup. 1) 3.
D-Tryptophan, utilization of by the chick, 47.
Tumor-host relationship in the rat, nutritive value of protein and, 297.

UREA, gelatin, casein, blood fibrin and soybean protein, nitrogen utilization by lambs fed purified rations containing, 413.

VITAMIN A, conversion of carotene to in the rat, effect of thyroid on, 447.
— A and D and ascorbic acid. Nutritional intake of children. IV., 335.
— B_6-deprived rats, prevention of inanition in by insulin treatment, 455.
— B_6, relationship of to serum protein and nonprotein nitrogen in the rat during pregnancy, 211.
— B_{12} and folic acid deficiencies. The effects of vitamin deficiency on some physiological factors of importance in resistance to infection, III., 473.
— deficiency, effects of on some physiological factors of importance in resistance to infection. III. Vitamin B_{12} and folic acid deficiencies, 473.
— E and sulfur, muscular degeneration in chickens fed diets low in, 87.

WALKER, G. R. See Morse, E. H., 229.
WALKER, G. R., E. H. MORSE AND M. POTGIETER. Serum cholesterol levels of young and of elderly women consuming an institution diet, 517.
WANNEMACHER, R. W., JR. See Allison, J. B., 297.
Water intake (caloric requirements) and organ weights of rats during restricted food intake, influence of diet composition on, 221.
WERTMAN, K., R. J. LYNN, D. T. DISQUE, G. W. KOHR AND M. E. CARROLL. The effects of vitamin deficiency on some physiological factors of importance in resistance to infection. III. Vitamin B_{12} and folic acid deficiencies, 473.
WILLIAMS, H. H. See Rechcigl, M., Jr., 619.
WINDMUELLER, H. G., C. J. ACKERMAN AND R. W. ENGEL. Alterations in the nutritive value of casein by exposure to ethylene oxide, 527.
Women, ascorbic acid utilization by. Response of blood serum and white cells to increasing levels of intake in two groups of women of different age levels, 229.
— metabolic patterns of a group of overweight, underweight and average weight, 391.
— nitrogen balances of, maintained on various levels of lysine, 549.
— young and elderly, serum cholesterol levels of when consuming an institution diet, 517.
WORKER, N. A. The effect of the thyroid on the conversion of intravenously administered aqueous dispersions of carotene to vitamin A in the rat, 447.
WU, H. C., AND H. B. LEWIS. The relation between the nature of dietary protein and the production of experimental alcaptonuria in the rat, 437.
WYNN, W. See Haldi, J., 427.